Fischer Panda
Power - wherever you are
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Marine Generator - Panda 9000 ND PMS





A - General technical data Marine Generator - Panda 9000 ND PMS		
Model.:	Panda 9000 ND PMS	
Area of Application.:	M (Marine Generator)	
Generator Version.:	PMS	
Generator Type	PSA - Basic Line - Panda Standard Asynchronous	
Frequency	50	[Hz]
Nominal Speed	3000	[rpm]
Alternator Standard Version.:	HP1	
Nominal Performance	7.70	[kW]
Nominal Performance	9.1	[kVA]
Continuious Performance	6.9	[kW]
Continuious Performance	8.2	[kVA]

B - Alternator General Data		
Power rating factor Cos Pi	0.85	
Voltage Regulation	keine	
Generator manufacturer	FISCHER PANDA	
Shielded to prevent radio interference	accordance with VDE 0875	
Isolation class of windings	F	
Excitation by	MKP Capacitors	

C - Performance Data for electrical Generator (Alternator)		
Daten HP1 Coil (Single Phase Version) - **Standard version**		
Alternator Type "HP1" (High Performance 1 phase Winding), 230 V only.		
Alternator Type	HP1	
Nominal Voltage in Volt	230	[Volt]
Nominal Performance in kW	7.70	[kW]
Nominal Performance in kVA	9.1	[kVA]
Continuous Performance in kW	6.9	[kW]
Continuous Performance in kVA	8.2	[kVA]
Number of Phases	1	
Rated current each Phase in Ampere	39.6	[A]
Continuous current each Phase in Ampere	35.7	[A]
Frequency in Hertz	50	[Hz]
Daten HP3 Coil (Three Phase Version) - Optional - This version available on request		
Alternator Type "HP3" (High Performance 3 phase winding). Produces 3-phase current (400 V), but 230 V single phase is included, but must be distributed to 3 phases.		
Alternator Type	HP3	
Nominal Voltage in Volt	3x400+N	[Volt]
Nominal Performance in kW	7.70	[kW]
Nominal Performance in kVA	9.1	[kVA]
Continuous Performance in kW	6.9	[kW]
Continuous Performance in kVA	8.2	[kVA]
Number of Phases	3	
Rated current each Phase in Ampere	13.2	[A]
Continuous current each Phase in Ampere	11.8	[A]
Frequency in Hertz	50	[Hz]
Daten DVS Coil (3 phase + 1 phase Version) - Optional - This version available on request		
The Alternator Type "DVS" (Dual Voltage System) comprises of two seperate windings (1-phase and 3-phase) within the stator. The alternator comprises a 3-phase (400V) winding and a 1-phase (230V) winding. The windings are electrically isolated within same stator. This alternator type has a 12% reduction in performance, compared to the HP1 resp. HP3 winding type because the cross-section of the windings are reduced in order to fit both windings within the housing.		
DVS Winding - 1 phase		
Alternator Type	DVS	
Nominal Voltage in in Volt	230	[Volt]
Nominal Performance (P) in kW	6.8	[kW]
Nominal Performance (S) in kVA	8.0	[kVA]
Continuous Performance in kW	6.1	[kW]
Continuous Performance in kVA	7.2	[kVA]
Number of Phases	1	
Rated current each Phase in Ampere	34.8	[A]
Continuous current each Phase in Ampere	31.3	[A]
Frequency	50	[Hz]
DVS Winding - 3 phase		
Alternator Type		

	DVS	
Nominal Voltage in Volt	3x400+N	[Volt]
Nominal Performance (P) in kW	6.8	[kW]
Nominal Performance (S) in kVA	8.0	[kVA]
Continuous Performance in kW	6.1	[kW]
Continuous Performance in kVA	7.2	[kVA]
Number of Phases	3	
Rated current each Phase in Ampere	11.6	[A]
Continuous current each Phase in Ampere	10.4	[A]
Frequency in Hertz	50	[Hz]

D - Dimension Sound cover (generator housing)		
Capsule GFK 3D - Standard Sound Insulation Capsule		
Description	GFK 3D	
Material	GFK (Glass fibre reinforced polyester)	
Sound Insulation Material	3 layers with a total thickness of 30 mm	
Dimensions Housing L x W x H *)	705 x 445 x 590	[mm]
Sound pressure level at distance 7 m	53	[dBA]
Sound pressure level at distance 3 m	63	[dBA]
Sound pressure level at distance 1 m	67	[dBA]
Total Weight of Generator with Capsule	195	[Kg]

*) The dimensions are for the sound insulation housing ONLY and do not include additional parts or fittings such as fasteners, closures or mounting brackets etc.
Therefore please Note You must consider the additional space will need to be calculated for the installation. This is of importance when planning the installation with respect of cables, hoses and mounting feet.

E - Engine Data		
Engine Manufacturer	Kubota (KU)	
Group	C04	
Engine Type	D722	
No. Cylinders	3	
Bore and Displacment	719	[ccm]
Compression Ratio	23,0 : 1	
Engine Charging	entfÃ¤llt	

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